

Last modified: May 30, 2008 (R. Michnoff)

[illegible]

BPMs in LogView?

**MANAGER SOFTWARE**

- |    |   |      |
|----|---|------|
| 18 | Add acquisition spacing, other parameters to orbit SDDS structure                         | Todd |
| 19 | Add ON/OFF BPM TBT logging switch to RhicbpmManager                                       | Todd |
| 20 | Read beam intensity for selected BPM bucket from WCM and distribute on RTDL for auto-gain | Todd |

**LOW LEVEL SOFTWARE**

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|----|---|---------------------|
| 21 | Configure spare Altera and DSP development systems  | Justin              |
| 22 | Ensure that DSP code versions are stored in Clearcase for revision control  | Justin              |
| 23 | Archive hardware and gate array firmware files with drafting  | Justin, Craig       |
| 24 | Problem with operational ADO in lab system  | Justin, Bob, Phil   |
| 25 | Design and implement running average orbit in DSP code  | Justin              |
| 26 | Design and implement BPM TBT postmortem   | Justin              |
| 27 | DSP profile timing steps not always equal<br>Maybe change such that 60 150ps steps are used to fit into 3 2ns periods | Justin, Bob O., Rob |

**System Integration/Other**

- |    |  |                                   |
|----|--|-----------------------------------|
| 28 | Gate width may not be the expected value when narrow width is selected   | Bob, Justin, Rob<br>Chris         |
| 29 | Analyze physical position errors – identify if cause is related to survey data only, or if a component can be due to the electronics |                                   |
| 30 | Try to determine why IFE resets are unsuccessful when beam is in the machine<br>Test electronics using wire scanner test assembly    |                                   |
| 31 | Determine how (or if ) we can guarantee that the same timing values are used from year to year.                                      | Rob, Todd                         |
| 32 | Determine if recalibration with external signal is required, and schedule this effort if deemed necessary                            | Justin, Phil, Rob                 |
| 33 | Dedicated scope for DX BPM monitoring  | Michiko, Rob,<br>Chris? (for Vis) |
| 34 | Integrated Tests   | All                               |

